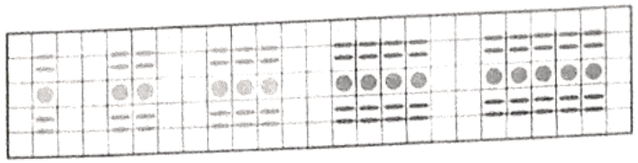
More signals

1 (a) Draw the signal pattern for
- 4 dots
- 5 dots.



(b) Complete the table.

Number of dots	Number of lines
1	4
2	8
3	12
4	16
5	20

(c) Complete the rule.
The number of lines is 4 times the number of dots.

(d) How many lines are in a signal with
- 8 dots 32
- 10 dots 40
- 12 dots 48
- 30 dots? 120

2

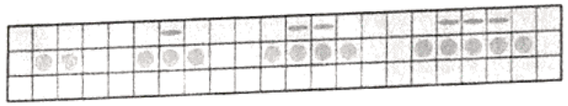
(a) Complete the table for this pattern.

Number of dots	Number of lines
1	4
2	5
3	6
4	7
5	8

(b) Rule: The number of lines is
3 more than the number of dots

(c) How many lines are in a signal with
- 9 dots 12
- 16 dots 19
- 25 dots 28
- 40 dots? 43

3

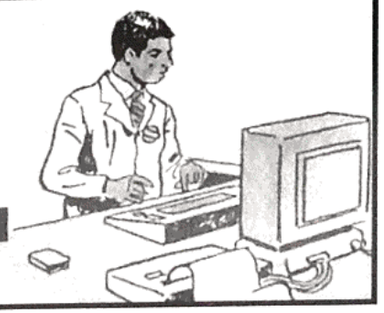


(a) Complete the table for this pattern.

Number of dots	Number of lines
2	0
3	1
4	2
5	3

(b) Rule: The number of lines is
2 less than the number of dots

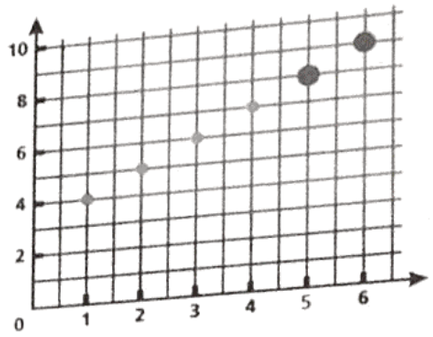
(c) How many lines are in a signal with
- 10 dots 8
- 17 dots 15
- 50 dots 48
- 100 dots? 98



Go to Textbook page 53.

1 (a) List the co-ordinates of the red points on this graph.

(1, 4)
(2, 5)
(3, 6)
(4, 7)

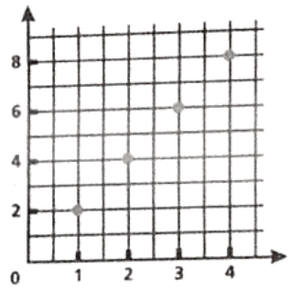


(b) Complete this rule.
The second co-ordinate is 3 more than the first co-ordinate

(c) Write the co-ordinates of the next two red points. (5, 8) (6, 9)
Mark them on the graph.

(d) Tick (✓) to show which of these points would be red points.
(8, 11) (20, 17) (17, 20) ✓ (23, 26) ✓ (33, 30)

2

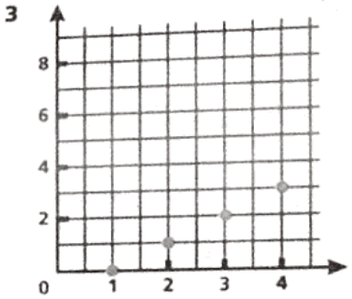


(a) List the co-ordinates of the blue points.
(1, 2)
(2, 4)
(3, 6)
(4, 8)

(b) Rule: The second co-ordinate is
two times the first co-ordinate

(c) Complete the co-ordinates for these blue points.
(5, 10) (9, 18) (20, 40)

3



(a) List the co-ordinates of the green points.
(1, 0)
(2, 1)
(3, 2)
(4, 3)

(b) Rule: The second co-ordinate is
one less than the first co-ordinate

(c) Complete the co-ordinates for these green points.
(6, 5) (10, 9) (25, 24)

Ask your teacher what to do next.